

Claims

1. A coating varnish comprising
 - a) at least one binder comprising alkyd resins
5 synthesized from tris(2-hydroxyethyl)-isocyanurate, 2,6-naphthalenedicarboxylic acid, drying fatty acids, and, if desired, further components known from alkyd resin chemistry,
 - b) at least one solvent or at least one technical
10 solvent or solvent mixture comprising at least one hydrocarbon-containing solvent mixture, and
 - c) at least one siccative or at least one mixture
of siccatives and one or more antiskinning
agents.
- 15 2. The coating varnish of claim 1, characterized in that component a) further comprises ethylene glycol, propylene glycol, glycerol, trimethylol-propane or mixtures thereof.
- 20 3. The coating varnish of any one of the preceding claims, characterized in that component a) further comprises phthalic acid, isophthalic acid, terephthalic acid or mixtures of these compounds.
- 25 4. The coating varnish of any one of the preceding claims, characterized in that at least part of the dicarboxylic acids is in the form of dimethyl esters.
- 30 5. The coating varnish of any one of the preceding claims, characterized in that component a) comprises as fatty acids linolic acid, linolenic acid, oleic acid, tall oil fatty acid or mixtures
35 of these compounds.

6. The coating varnish of any one of the preceding claims, characterized in that component a) comprises modified alkyd resins.

5 7. The coating varnish of any one of the preceding claims, characterized in that component a) contains

1. 33.0% - 50.0% by weight of tris(2-hydroxyethyl)isocyanurate

10 2. 14.0% - 20.0% by weight of dimethyl 2,6-naphthalenedicarboxylate,

3. 34.0% - 47.0% by weight of tall oil fatty acid

4. 1.0% - 15.0% by weight of modifier(s)

the percentages by weight adding up in each case to 100.0% by weight.

15 8. The coating varnish of any one of the preceding claims, characterized in that the binder of component a) contains 37.0% - 45.0% by weight of tris(2-hydroxyethyl)isocyanurate, 15.0% - 19.0% by weight of dimethyl 2,6-naphthalenedicarboxylate, and 34.0% - 47.0% by weight of tall oil fatty acid,

20 the weight percentages adding up in each case to 100.0% by weight.

25 9. The coating varnish of any one of the preceding claims, characterized in that the binder present in component a) contains

30 38.0% - 43.0% by weight of tris(2-hydroxyethyl)isocyanurate

16.0% - 18.0% by weight of dimethyl 2,6-naphthalenedicarboxylate

35 40.0% - 42.0% by weight of tall oil fatty acid,

the weight percentages adding up in each case to 100.0% by weight.

10. The coating varnish of any one of the preceding claims, characterized in that component b)

comprises aliphatic or aromatic hydrocarbon mixtures or mixtures thereof.

11. The coating varnish of any one of the preceding 5 claims, characterized in that component c) comprises a further solvent from the class of the esters, ketones, lactones or other typical varnish solvents.
- 10 12. The coating varnish of any one of the preceding 15 claims, characterized in that component c) comprises lead, cobalt or zirconium octoate, manganese, vanadium or calcium naphthenate or combinations of one or more of these siccatives.
13. The coating varnish of any one of the preceding 20 claims, characterized in that component c) comprises as antiskinning agents ethyl methyl ketoxime, tocopherol, Ascinin® Antiskin VP 242 or mixtures of these substances.
14. The coating varnish of any one of the preceding 25 claims, characterized in that component c) further comprises co-catalysts, corrosion inhibitors, defoamers, flow control agents, and wetting agents.
15. Process for preparing a coating varnish of any one 30 of claims 1 to 14, characterized in that the binder present in component a) is dissolved in component b), modified if desired, heated if desired, and then component c) is added.
16. The process of claim 16, characterized in that 35 after the addition of component b) a modifier is added.
17. The process of claim 16, characterized in that tolylene diisocyanate is used for modification.

18. The process of claim 17, characterized in that 1.0% - 15.0% by weight of a mixture of tolylene 2,6- and 2,4-diisocyanate are used.

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19. The use of the coating varnish of any one of claims 1 to 14 for coating electrical wires and electrical windings, and also as a coating over flat modules in electronics, hybrids, SMD modules, 10 assembled printed circuit boards, for impregnating electrical windings.